

Title (en)

POLYMERISATION PROCESS USING A CATALYST SYSTEM OF ENHANCED PRODUCTIVITY

Title (de)

POLYMERISATIONSVERFAHREN MITTELS EINES KATALYSATORSYSTEMS MIT GESTEIGERTEM LEISTUNGSVERMÖGEN

Title (fr)

PROCEDE DE POLYMERISATION UTILISANT UN SYSTEME CATALYSEUR A PRODUCTIVITE AMELIOREE

Publication

**EP 0668880 B1 19990721 (EN)**

Application

**EP 93923784 A 19931005**

Priority

- US 9309529 W 19931005
- US 95730592 A 19921005

Abstract (en)

[origin: WO9407927A1] An ionic catalyst system for polymerizing monomers comprising a reaction product of a Group 4 transition metal compounds containing a single cyclopentadienyl ligand and a heteroatom contacting group and a non-coordinating anion precursor, and a Group 13 element organo compound additive. The catalyst system described, employing the organoadditive, results in a catalyst of enhanced productivity for the polymerization of olefins. Said catalyst system and additive may optionally be placed on an inert support media and prepolymerized if desired. The catalyst system may be used to polymerize monomers under high pressure, solution, liquid, bulk, slurry or gas phase polymerization conditions.

IPC 1-7

**C08F 10/00**; **C08F 4/645**

IPC 8 full level

**C08F 4/642** (2006.01); **C08F 4/42** (2006.01); **C08F 4/645** (2006.01); **C08F 4/646** (2006.01); **C08F 4/6592** (2006.01); **C08F 4/80** (2006.01); **C08F 10/00** (2006.01); **C08F 210/02** (2006.01); **C08F 4/659** (2006.01)

CPC (source: EP)

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Citation (examination)

- WO 9403506 A1 19940217 - EXXON CHEMICAL PATENTS INC [US]
- WO 9205203 A1 19920402 - EXXON CHEMICAL PATENTS INC [US]
- WO 9407928 A1 19940414 - DOW CHEMICAL CO [US]

Cited by

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**WO 9407927 A1 19940414**; CA 2146344 A1 19940414; DE 69325716 D1 19990826; DE 69325716 T2 20000427; EP 0668880 A1 19950830; EP 0668880 B1 19990721; ES 2136132 T3 19991116; JP 3370331 B2 20030127; JP H08502094 A 19960305

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